



**REOPENING
OF
REQUEST FOR PROPOSAL
(RFP)**

DELAWARE COUNTY

FOR

**PURCHASE AND IMPLEMENTATION OF
A 700MHZ PUBLIC SAFETY RADIO SYSTEM
APCO PROJECT 25 PHASE II**

RFP NUMBER CP-081921

(ORIGINALLY ISSUED ON AUGUST 19, 2021)

I. Reopening of Request for Proposal

On August 19, 2021, Delaware County, Pennsylvania (the "County"), posted a request for proposals for the implementation of a new 911 radio system, more particularly identified as: **RFP CP- Purchase and Implementation of a 700 MHz Public Safety Phase II Radio System** (the "RFP"). Since the RFP was posted, certain information has been obtained by the County regarding frequencies allocated to the County which requires modifications to the RFP so that the County can conduct a more thorough analysis of proposed network designs. As a result, the County has determined, pursuant to the terms and conditions of the RFP, that it is in the County's best interest to re-open the RFP, subject to the modifications and revised schedule set forth below.

As further described herein, the County is inviting the submission of: new proposals (no previous submission); a supplement or change to a previous proposal; or a replacement of a previous proposal; with such responses due on January 28, 2022, by 1:00 PM.

II. Modifications to RFP

The following provisions of the RFP are hereby modified. Modifications are noted in bold text.

Modification 1.

3.10 FCC Applications

Delaware County's FCC Registration Number (FRN) is 3233723. Delaware County **has received approval from Region 28 and adjacent regions** for nine (9) allocated 700 MHz trunked licenses and holds several 6 GHz and 11GHz microwave FCC licenses. The complete list of applications pertinent to this project can be found in the Appendices B and D of this document.

Modification 2.

6.6 Radio Coverage Prediction

Delaware County is requiring Proposers to submit coverage maps depicting proposed radio system coverage predicted through the use of a radio signal propagation model. The exact propagation model used is at the discretion of the Proposer. The propagation model used should, however, be developed on the basis of theoretical and empirical data and take into account channel bandwidth, modulation type, delivered audio quality, coverage reliability, terrain, land use and land clutter and building penetration losses.

The Proposer must identify the propagation model used in determining the coverage prediction as well as the parameters used in the propagation model. The terrain database used must have a maximum of 1 arc-second of resolution. All maps must follow the same technical range, signal strength and color coding as the reference map (Current System Overview) provided as Appendix A. **Coverage maps must be provided for each potential proposed site, showing individual site coverage and composite coverage with the rest of the system.**

The coverage maps should include a legend outlining the following information:

- Coverage type: portable on-street, or portable in-building
- Portable receiver and transmitter location i.e. portable radio at hip level (1 m)
- Delivered Audio Quality requirement
- Modulation type
- Covered Area Reliability shown as percentage of the number of tiles predicted to meet or exceed the DAQ divided by the total number of tiles
- Carrying device option used for the portable
- RF signal level in dBm associated with coverage colors shown on the map

- A simulcast map showing the probability of achieving DAQ 3.4 based on the combination of received signal power and signal delays for the proposed modulation

Delaware County also requires that all Proposers use the following conventions in their map formats to make the evaluations consistent with each other.

- On-street portable coverage with portable radio worn at hip level – 1-meter AGL – with received power shown in the same colors and ranges as shown on the maps in Appendix F and G.

Modification 3.

Important Dates:

- **Preliminary Questions from Proposers Due: December 10, 2021, 4:00 PM eastern time**
- **Mandatory Pre-Proposal Conference: December 15, 2021**
- **Deadline for Final Questions: December 20, 2021**
- **County Response to Proposer Questions: January 5, 2022**
- **Responses Due: Friday January 28, 2022, by 1:00 PM eastern time**
- **County Council Consideration of Proposals: Wednesday, March 2, 2022***
- **Notification of Approved Proposer: Thursday, March 3, 2022***

**Date subject to discretion of County Council.*

III. Consideration of Proposals and Ratification of RFP

The County will consider all proposals received in response to the RFP in addition to any amended or new responses in response to this re-opening of the RFP. If you responded to the RFP, you need not resubmit your proposal. However, respondents to the RFP are free to change, supplement or otherwise modify their previous proposal or to provide a new proposal. PLEASE INDICATE ON THE COVER OF THE PROPOSAL WHETHER YOU ARE SUBMITTING: (1) A NEW PROPOSAL (no previous submission); (2) A SUPPLEMENT OR CHANGE TO A PREVIOUS PROPOSAL; OR (3) A REPLACEMENT OF A PREVIOUS PROPOSAL TO THE RFP.

Except as specifically modified herein, all other requirements, specifications, terms and conditions contained in the RFP remain in effect. A complete copy of the RFP has been posted with this notice of re-opening of the RFP.

Issued: December 2, 2021